

In re Application of OJANAN)
Serial No. 09/838,348)

Group Art Unit 3673

Response to the Non-Final Office Action of January 22, 2004

Page 2

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-14 (Canceled).

15. (Currently Amended) A cutting tool assembly, said assembly comprising:
a cutting tool:

a retainer sleeve carried by the cutting tool, and the retainer including at least one radially outward projecting dimple;

wherein said retainer has a cylindrical circumference and a thickness dimension;

the amount of radial projection of said dimple beyond the cylindrical surface of the retainer is about 15-30 percent of the thickness dimension of said retainer.

16. A cutting tool assembly according to claim 15, wherein said retainer sleeve includes a plurality of said dimples spaced relative to one another about the circumference of said retainer sleeve.

17. A cutting tool assembly according to claim 15, wherein said dimples are generally semi-spherical.

Claims 18-28 (Canceled).

29. (Currently Amended) A retainer for use in conjunction with a cutting tool, said retainer comprising:

a retainer sleeve carried by the cutting tool and including at least one radially outward projecting dimple;

wherein said retainer has a cylindrical circumference and a thickness dimension:

the amount of radial projection of said dimple beyond the cylindrical surface of the retainer is about 15-30 percent of the thickness dimension of said retainer.

Response to the Non-Final Office Action of January 22, 2004

Page 3

30. A retainer according to claim 29, wherein said retainer sleeve includes a plurality of said dimples equally spaced relative to one another about the circumference of said retainer sleeve.

31. (Canceled).

32. (Previously Amended) A cutting tool assembly according to claim 15 wherein said dimples extend between about .007 – .020 inches beyond an exterior cylindrical surface of said retainer.

33. (Previously Added) A cutting tool assembly according to claim 17 wherein said dimple has a diameter of between about .06 - .10 inches.

34. (Previously Added) A cutting tool assembly according to claim 17 wherein said retainer has a plurality of said dimples.

35. (Previously Added) A cutting tool assembly according to claim 17 further comprising:

a bit holder, and

a cutter bit having a shank,

wherein said retainer is connected to said shank, and said cutter bit and retainer are inserted in a bore formed in said bit holder.

36. (Previously Amended) A retainer according to claim 29 wherein said dimples extend between about .007 – .020 inches beyond an exterior cylindrical surface of said retainer.

37. (Previously Added) A retainer according to claim 29 wherein said dimple has a diameter of between about .06 - .10 inches.

Response to the Non-Final Office Action of January 22, 2004

Page 4

38. (Previously Added) A retainer according to claim 29 wherein said retainer has a plurality of said dimples.

39. (Currently Amended) A cutting tool assembly, said assembly comprising:
a cutting tool:
a retainer sleeve carried by the cutting tool, and including at least one radially outward protruding surface;
wherein said retainer has a cylindrical circumference and a thickness dimension,
the amount of radial projection of said protruding surface beyond the cylindrical surface of the retainer is about 15-30 percent of the thickness dimension of said retainer.

40. (Currently Amended) A retainer for use in conjunction with a cutting tool, said retainer comprising:
a retainer sleeve carried by the cutting tool and including at least one radially outward protruding surface;
wherein said retainer has a cylindrical circumference and a thickness dimension:
the amount of radial projection of said protruding surface beyond the cylindrical surface of the retainer is about 15-30 percent of the thickness dimension of said retainer.

41. (Canceled).

42. (Canceled).

43. (Currently Amended) A generally cylindrical retainer for use in conjunction with a cutting tool, said retainer comprising:
a retainer sleeve carried by the cutting tool and including at least two radially outward projecting dimples;
wherein said retainer has a central longitudinal axis and a thickness dimension, and all said at least two dimples are generally located within a common radial plane;

In re Application of OJANAN
Serial No. 09/838,348

)
)

Group Art Unit 3673

Response to the Non-Final Office Action of January 22, 2004

Page 5

the amount of radial projection of said dimple beyond the cylindrical surface of the retainer is about 15-30 percent of the thickness dimension of said retainer, wherein said retainer is constructed from steel.

44. (Previously Added) A retainer according to claim 43 wherein said at least two dimples extend between about .007 - .020 inches beyond an exterior cylindrical surface of said retainer.

45. (Previously Added) A retainer according to claim 44 wherein said dimple has a diameter of between about .06 - .10 inches.

46. (Previously Added) A retainer according to claim 29 wherein said retainer has an endface, and a bottom end, wherein a slit extends from said bottom end to said endface.

47. (Previously Added) A retainer according to claim 40 wherein said retainer has an endface, and a bottom end, wherein a slit extends from said bottom end to said endface.